

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for providing an Internet service in a non-IP based network, comprising:

a first server connected to a non-IP based network and having an application program as installed; and

a second server including a non-IP based data processing protocol layer connected to a the non-IP based network, ~~and an interface connected to an IP based network (the Internet), and having the an application program as installed, the interface allowing communication of data between the IP based network and the non-IP based data processing protocol layer, the non-IP based data processing protocol layer communicating with the first server via the non-IP based network~~, so that a service corresponding to an Internet service request is provided from the non-IP based network to the Internet ~~according to the Internet service request received from the Internet~~.

2. (Previously Presented) The system of claim 1, wherein the non-IP based network is a HAVi (Home Audio/Video interoperability).

3. (Original) The system of claim 1, wherein the Internet service is transmitted in a digital format or a Web document format.

4. (Original) The system of claim 1, wherein the Internet service is accessed from the Internet to the first and the second servers to control the first and the second servers.

5. (Currently Amended) The system of claim 1, wherein the first server comprises:
~~a data processing protocol layer for transmitting data to and receiving data from the non-~~
~~IP based network; and~~
an application program layer for providing an Internet service.

6. (Original) The system of claim 5, wherein the data is a digital format or a message format.

7. (Original) The system of claim 5, wherein the application program layer processes a Web document.

8. (Currently Amended) The system of claim 1, wherein the second server comprises:

~~a data processing protocol layer for transmitting data to and receiving data from the non-~~
~~IP based network;~~
a TCP/IP protocol layer ~~for processing the data to be transmitted to and received from the~~
~~non-IP based network~~connected to the interface for receiving data from or transmitting data to
the IP based network; and

~~an interface layer for transmitting and receiving the data processed at the TCP/IP protocol layer to and from the non-IP based network; and~~

an application program layer for connecting the first server which provides an Internet service and is connected to the non-IP based network, to the IP based network.

9. (Original) The system of claim 1, wherein the second server is connected to a plurality of first servers to serve as a proxy.

10. (Currently Amended) A method for providing an Internet service in a non-IP based network, comprising:

a step in which a first server in a non-IP based network receives an Internet service request from an IP based network (the Internet) via an interface of a second server and a non-IP based data processing protocol layer of the second server, the interface converting the Internet service request from the IP based network to the non-IP based data processing protocol layer, the non-IP based data processing protocol layer transmitting the converted Internet service request to the first server via the non-IP based network; and

a step in which the first server in the non-IP based network provides the Internet service corresponding to the received Internet service request to the Internet.

11. (Previously Presented) The method of claim 10, ~~wherein in the step of receiving the Internet service request from the Internet, comprises~~further comprising:

a step in which the second server positioned between the Internet and the non-IP based network determines whether the requested Internet service is a service to be provided by the second server;

a step in which when the second server determines that the requested Internet service is a service to be provided by the second server, the second server provides its own service to the Internet, while, otherwise, the second server transmits an Internet service start signal to the first server connected to the non-IP based network; and

a step in which the Internet service is received from the first server.

12. (Currently Amended) A system for providing an Internet service in a non-IP based network, comprising:

a first appliance for controlling ~~and communicating~~ communication of the non-IP based network with an IP based network (the Internet), the first appliance including an interface and a non-IP based data processing protocol layer, the interface being connected to the IP based network, the non-IP based data processing protocol layer being connected to the non-IP based network, the interface allowing communication of data between the IP based network and the non-IP based data processing protocol layer of the first appliance; and

a second appliance ~~which is connected~~ and communicating with the non-IP based data processing protocol layer of the first appliance via the non-IP based network for providing the Internet service to a third appliance connected with the Internet via the first appliance when the

Internet service is requested by the third appliance connected to the Internet via the first appliance.

13. (Previously Presented) The system according to claim 12, wherein the first appliance functions as a proxy server for controlling and communicating between the third appliance connected with the Internet and the second appliance.

14. (Previously Presented) The system according to claim 12, wherein the second appliance functions as a server for providing its own information.

15. (Original) The system according to claim 12, wherein the non-IP based network is capable of connecting a plurality of appliances functioned as the second appliance.

16. (Cancelled)

17. (Previously Presented) The system of claim 1, wherein the first server resides in a first appliance and the second server resides in a second appliance.

18. (Previously Presented) The system of claim 17, wherein the first appliance is either a digital television or a digital video cassette recorder, and the second appliance is a set-top box.

19. (Previously Presented) The system of claim 1, wherein the Internet service request is received by the second server and the service is provided by one of the first server or the second server.

20. (Previously Presented) The system of claim 19, wherein the second server selects one of the first server or the second server to provide the service based upon the Internet service request.

21. (Previously Presented) The system of claim 20, wherein when the second server selects the first server to provide the service based upon the Internet service request, the second server sends the Internet service request to the first server.